PATENT COOPERATION TREATY

PCT

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY (Chapter II of the Patent Cooperation Treaty)

(PCT Article 36 and Rule 70)

Applicant's or agent's file reference		EOD EUDTHED ACT	FION	See Form DCT/IDF A /A16				
029869.06-WO		FOR FURTHER ACT		See Form PCT/IPEA/416				
International application No.		International filing date (d	lay/month/year)	Priority date (day/month/year)				
PCT/US05/09797		23 March 2005 (23.03.20		24 March 2004 (24.03.2004)				
International Patent Classification (IPC) or national classification and IPC								
IPC: A61K 35/00(2006.01),38/10(2006.01);C07K 14/00(2006.01) USPC: 514/1,2;530/300								
Applicant								
FASGEN, LLC								
1. This report is the international preliminary examination report, established by this International Preliminary Examining Authority under Article 35 and transmitted to the applicant according to Article 36.								
2. This REPORT consists of a total of heets, including this cover sheet.								
3. This report is also accompanied by ANNEXES, comprising:								
a. (sent to the applicant and to the International Bureau) a total of sheets, as follows:								
sheets of the description, claims and/or drawings which have been amended and are the basis of this report and/or sheets containing rectifications authorized by this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions).								
	sheets which supersede earlier sheets, but which this Authority considers contain an amendment that goes beyond the disclosure in the international application as filed, as indicated in item 4 of							
Box No. I and the Supplemental Box.								
b (sent to the International Bureau only) a total of (indicate type and number of electronic carrier(s)), containing a sequence listing and/or tables related thereto, in electronic form only, as indicated in the Supplemental Box Relating to Sequence Listing (see Section 802 of the Administrative Instructions).								
4. This report contains indications relating to the following items:								
\boxtimes	Box No. I Basis of the report							
	Box No. II P	iority						
		on-establishment of opinion with regard to novelty, inventive step and industrial plicability						
	Box No. IV L	ack of unity of invention						
		easoned statement under Article 35(2) with regard to novelty, inventive step or dustrial applicability; citations and explanations supporting such statement						
	Box No. VI	ertain documents cited						
	Box No. VII C	rtain defects in the international application						
	Box No. VIII C	ertain observations on the international application						
Date of submission of the demand			Date of completion	of this report				
21 October 2005 (21.10.2005)			17 September 2008 (17.09.2008)					
Name and mailing address of the IPEA/ US			Authorized officer					
Mail Stop PCT, Attn: IPEA/US Commissioner for Patents			Pohort C. House Dh. M. Share Share					
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	((a a super a la past) (A mail)	2005)						

PCT/US2005/009797 02.10.2008

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

PCT/US05/09797

International application No.

Box No. I Basis of the report 1. With regard to the language, this report is based on: the international application in the language in which it was filed. a translation of the international application into English, which is the language of a translation furnished for the purposes of: international search (under Rules 12.3(a) and 23.1(b)) publication of the international application (under Rule 12.4(a)) international preliminary examination (under Rules 55.2(a) and/or 55.3(a)) 2. With regard to the elements of the international application, this report is based on (replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to this report): the international application as originally filed/furnished the description: ____ as originally filed/furnished pages 1-19 pages* NONE _____ received by this Authority on _____ pages* NONE received by this Authority on _____ the claims: ____ as originally filed/furnished pages 20 pages* NONE as amended (together with any statement) under Article 19 pages* NONE received by this Authority on ___ pages* NONE received by this Authority on _____ the drawings: ____ as originally filed/furnished pages 1-10 pages* NONE received by this Authority on _____ pages* NONE received by this Authority on _____ a sequence listing and/or any related table(s) - see Supplemental Box Relating to Sequence Listing. 3. The amendments have resulted in the cancellation of: the description, pages NONE the claims, Nos. NONE the drawings, sheets/figs NONE the sequence listing (specify): NONE any table(s) related to the sequence listing (specify): NONE This report has been established as if (some of) the amendments annexed to this report and listed below had not been made, since they have been considered to go beyond the disclosure as filed, as indicated in the Supplemental Box (Rule 70.2(c)). the description, pages ______ the claims, Nos. the drawings, sheets/figs the sequence listing (specify): _____ any table(s) related to the sequence listing (specify): This report has been established taking into account the rectification of an obvious mistake authorized by or notified to this Authority under Rule 91 (Rule 70.2(e)). * If item 4 applies, some or all of those sheets may be marked "superseded."

Form PCT/IPEA/409 (Box No. I) (April 2007)

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

International application No. PCT/US05/09797

				Box No. V Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement								
1. Statement												
Novelty (N)	Claims	3-4		YES								
(1)		1, 2 and 5-9		NO								
		•										
Inventive Step (IS)		NONE		YES								
	Claims	1-9		NO								
Industrial Applicability (IA)	Claime	1-9		YES								
madsular Applicability (124)		NONE		NO								
2. Citations and Explanations (Rule 70.7) Claims 1-2 & 5-8 lack novelty under PCT Article 33(2) as being anticipated by Tracey et al (US Patent 6,423,705). Tracey et al teach compositions comprising direct AMPK inhibitors (e.g., column 8) for use in methods to treat stroke and stroke-related ischemia (e.g., column 3). Claims 1, 2, 6, 7 & 9 lack novelty under PCT Article 33(2) as being anticipated by Sheng et al (2002). Sheng et al teach methods of using tetrahydroacridine (EDT) to inhibit stroke and stroke-related ischemia (e.g., see Abstract), which therefore reasonably meets the limitation of an indirect inhibitor of AMPK; absent evidence to the contrary. Claims 1-3 & 5-8 lack an inventive step under PCT Article 33(3) as being obvious over Tracey et al (US Patent 6,423,705) in view of Kim et al (2002). Tracey et al is as described above. However Tracey et al do not teach the AMPK inhibitor C75 or Compound C. Kim et al teach the AMPK inhibitor C75 administered to patients. It would have been obvious to one of ordinary skill in the art to use the AMPK inhibitor C75 of Kim in the method of Tracey et al because Kim teach C75 is an AMPK inhibitor amendable to administration to subjects. Claims 1-2 & 4-8 lack an inventive step under PCT Article 33(3) as being obvious over Tracey et al (US Patent 6,423,705) in view of Leon et al (2002). Tracey et al is as described above. However Tracey et al do not teach the AMPK inhibitors C75 and Compound C. Leon et al teach the AMPK inhibitor "compound C" administered to subjects inhibitis excitatory responses (i.e., glutaminergic responses). It would have been obvious to one of ordinary skill in the art to use the AMPK inhibitor "compound C" in the method of Tracey et al because Leon teach "compound C" administered to subjects inhibitis excitatory responses (i.e., glutaminergic responses). Rewell and the ample of the method of Tracey et al because Leon teach "compound C" is an AMPK inhibitor and inhibitor and inhibits excitatory responses in subjects. Claims 1-9 meet t												